CRESTRON

Certified Module

Partner: Marantz
Model: SR5500
Device Type: Receiver/Processor

GENERAL INFORMATION

SIMPLWINDOWS NAME:	Marantz SR5500
CATEGORY:	Receiver/Processor
VERSION:	1.0
SUMMARY:	This module controls the Marantz SR5500.
GENERAL NOTES:	This module provides controls for both zones of the SR5500. IT also provides true feedback. NOTE: IN THE PREFERENCES MENU, YOU MUST SET THE STBY MODE TO NORMAL. IF YOU DO NOT CHANGE THIS SETTING, YOU WILL NOT BE ABLE TO TURN THE RECEIVER ON VIA RS232.
CRESTRON HARDWARE REQUIRED:	CNXCOM, C2-COM, ST-COM
SETUP OF CRESTRON HARDWARE:	RS232 Baud: 9600 Parity: None Data Bits: 8 Stop Bits: 1
VENDOR FIRMWARE:	None
VENDOR SETUP:	IN THE PREFERENCES MENU, YOU MUST SET THE STBY MODE TO NORMAL. IF YOU DO NOT CHANGE THIS SETTING, YOU WILL NOT BE ABLE TO TURN THE RECEIVER ON VIA RS232.
CABLE DIAGRAM:	CNSP-123

CNSP-123

9 Pin Female — 9 Pin Female
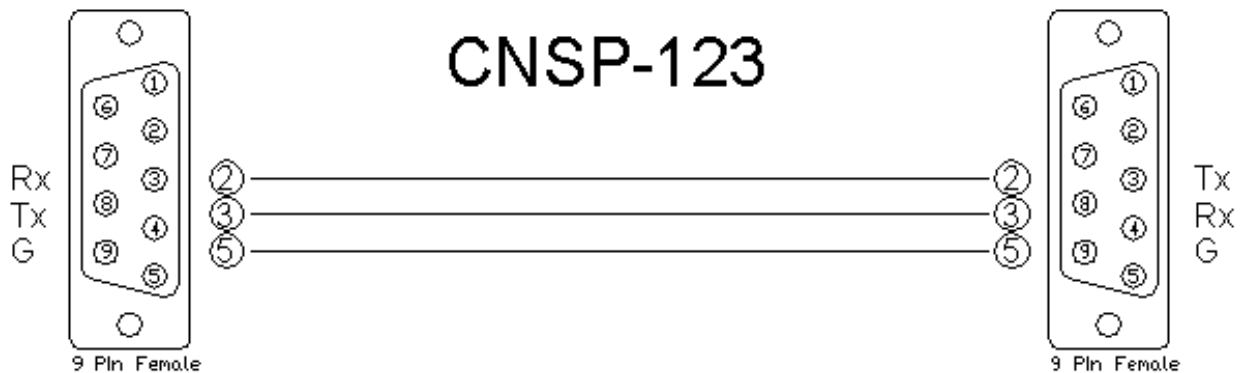
CONTROL:

power_on/off/toggle	D	Pulse to turn the main zone on or off.
source_*	D	Pulse to select the input.
source_m_ch_on/off	D	Pulse to turn the multi-channel input on or off.
input_ana/digi_digital_auto input_analog/digital_fixed	D	Pulse to set the input signal type to digital auto, digital fixed or analog.
Volume_Up/Down	D	Press and hold to adjust the volume up or down.
Volume_Mute_On/Off/Toggle	D	Pulse to turn the volume mute on or off.
volume_value(-72d_to_18d)	A	Analog value for volume presets. Valid values are –72d to 18d. This should be driven from an Analog Initialize. IT SHOULD NOT BE DRIVEN FROM A SLIDER.
Volume_value_set	D	Pulse to send the volume level set by the volume_value input.
Attenuator_on/off/toggle	D	Pulse to turn the attenuator on and off. This is for analog audio signals only.
Bass_up/down	D	Press and hold to adjust the bass.
Treble_up/down	D	Press and hold to adjust the treble.
Video_mute_on/off/toggle	D	Pulse to turn the video mute on and off.
Display_*	D	Pulse to select the information you want displayed on the front of the receiver.
Sleep_*	D	Pulse to select the sleep time or turn the sleep timer off. Toggle will step through the sleep times.
Night_mode_on/off/toggle	D	Pulse to turn the night mode on and off. This is for digital signals only.
Theater-EQ_on/off/toggle	D	Pulse to turn the home theater EQ on and off.
Menu_*	D	Pulse to use the set up menus.
Simple_Setup_*	D	Pulse to activate the simple set up function.
Surround_*	D	Pulse to select the surround mode.
Test_tone_*	D	Pulse to set the test ones for speaker set up.

Lip_Sync	D	Pulse to activate the lip sync functions.
Tuner_mode_*	D	Pulse to set the tuner mode to stereo auto or mono.
Tuner_freq_up/down	D	Press and hold to adjust the tuner frequency.
Tuner_auto_up/down/stop	D	Pulse to start and stop the auto frequency search feature.
Tuner_preset_up/down	D	Pulse to step through the tuner presets.
Tuner_preset_scan_start/stop	D	Pulse to start and stop the preset scan feature.
Tuner_rds_disp/pty	D	Pulse to adjust the tuner rds function.
Key_*	D	Pulse to enter a frequency or preset number. This keypad will be used for both the main and multi room frequency and preset entry.
Tuner_preset_num_call **Tuner freq_num_direct_set**	D	Pulse to set the preset or frequency entered using the key_* inputs.
MR_Power_On/Off/Toggle	D	Pulse to turn the multi room power on and off.
MR_source_*	D	Pulse to select the multi room input.
MR_Volume_Up/Down	D	Press and hold to adjust the multi room volume.
MR_Volume_Mute_On/Off/Toggle	D	Pulse to turn the multi room volume mute on and off.
MR_Tuner_Frequency_Up/down	D	Press and hold to adjust the tuner frequency.
MR_Tuner_Auto_Tune_Up/Down/stop	D	Pulse to start and stop the auto frequency search feature.
MR_tuner_preset_up/down	D	Pulse to step through the tuner presets.
MR_tuner_preset_scan_start/stop	D	Pulse to start and stop the preset scan feature.
MR_tuner_preset_num_call **MR_tuner_freq_num_direct_set**	D	Pulse to set the preset or frequency entered using the key_* inputs.
MS_power_*	D	Pulse to turn the multi room speaker on and off. This is only available if the surround back left and right speakers are not being used for the main room.
Ms_volume_up/down	D	Press and hold to adjust the volume for the multi room speakers. This is only available if the surround back left and right speakers are not being used for the main room.
Ms_volume_mute_on/off/toggle	D	Pulse to turn the multi room speaker volume mute on and off. This is only available if the surround back left and right speakers are not being used for the main room.

Partner: Marantz
Model: SR5500
Device Type: Receiver/Processor

Auto_status_on/off	D	Pulse to turn the auto feedback feature on and off.
Rx$	S	Serial signal to be routed from a 2-way serial com port.

FEEDBACK:

Power_On/Off_Fb	D	High to indicate the current power state.
Video_source_*_fb	D	High to indicate the currently selected video input.
Audio_source_*_fb	D	High to indicate the currently selected audio input.
Audio_source_m_ch_fb	D	High to indicate that the multi-channel input is on.
Input_analog/digital_autoselected/fixed_Fb	D	High to indicate the current input signal type.
Volume_Bar	A	Analog signal indicating the current volume level. To be displayed using a bar graph on a touch panel.
Volume$	S	Serial signal indicating the current volume level.
Volume_Mute_On/Off_Fb	D	High to indicate the current volume mute state.
Attenuator_On/Off_Fb	D	High to indicate the current state of the attenuator.
Bass_bar	A	Analog signal indicating the current bass setting. To be displayed using a bar graph on a touch panel.
Bass$	S	Serial signal indicating the current bass level.
Treble_bar	A	Analog signal indicating the current treble setting. To be displayed using a bar graph on a touch panel.
Treble$	S	Serial signal indicating the current treble level.
Video_mute_on/off_fb	D	High to indicate the current state of the video mute.
Display_*_fb	D	High to indicate the current state of the front panel display.
Sleep_off_fb	D	High to indicate that the sleep mode is off.
Sleep_timer_bar	A	Analog signal indicating the current time remaining before the SR5500 will shut off. To be displayed using a bar graph on a touch panel.

©2004 Crestron Electronics, Inc.
15 Volvo Drive • Rockleigh, NJ 07647
800.237.2041 / 201.767.3400

www.crestron.com

Crestron Certified Integrated Partner Modules can be found archived on our website in the Design Center. For more information please contact our Technical Sales Department at techsales@crestron.com. The information contained on this document is privileged and confidential and for use by Crestron Authorized Dealers, CAIP Members, A+ Partners and Certified Integrated Partners only. *Specifications subject to change without notice.*

Sleep	S	Serial signal indicating the current time remaining before the SR5500 will shut off.
Night_mode_On/Off_Fb	D	High to indicate the current night mode state.
Theater-EQ_on/off_fb	D	High to indicate the current theater-EQ state.
Menu_on/off_fb	D	High to indicate the current menu state.
Simple_setup_On/Off_Fb	D	High to indicate the current state of the Simple Set up function.
Surround_*_fb	D	High to indicate the currently selected surround mode.
Test_tone_on/off_fb	D	High to indicate the current state of the test tone.
Test_tone_auto/manual_mode_fb	D	High to indicate the current test tone mode.
Test_tone_ch_*_fb	D	High to indicate which channel is receiving the test tone.
Lip_Sync_Off_Fb	D	High to indicate that the lip sync function is off.
***_bar**	A	Analog value indicating the current tone level for the channel.
***$**	S	Serial signal indicating the current tone level for the channel.
Tuner_auto_stereo/mono_fb	D	High to indicate the current setting of the tuner signal.
Tuner_frequency_fm/am_ana	A	Analog value indicating the current station value. To be displayed using a digital gauge.
Tuner_preset_number_ana	A	Analog value indicating the currently selected preset number. To be displayed using a digital gauge.
Tuner_key_num_ana	A	Analog value indicating the value being entered using the Key_* inputs. This is the number that will be sent to the SR5500 when one of the preset_call or freq_num_direct inputs is pulsed.
MR_Power_On/Off_Fb	D	High to indicate the current multi room power state.
MR_video_Input_*_Fb	D	High to indicate the currently selected video input for the multi room.
MR_audio_Input_*_Fb	D	High to indicate the currently selected audio input for the multi room.
MR_Volume_Bar	A	Analog signal indicating the current volume for the multi room output.

Mr_volume$	S	Serial signal indicating the current volume level for the multi room output.
MR_Volume_Mute_On/Off_Fb	D	High to indicate the current multi room volume mute state.
MR_tuner_mode_auto_stereo/mono_fb	D	High to indicate the current setting of the tuner signal.
MR_Tuner_Frequency_fm/am_Ana	A	Analog value indicating the current station value. To be displayed using a digital gauge.
MR_Tuner_Preset_Ana	A	Analog signal indicating the current tuner preset. To be displayed using a digital gauge on a touch panel.
Ms_power_*_fb	D	High to indicate the current state of the multi room speaker output.
Ms_volume_bar	A	Analog value indicating the current value of the multi room speaker volume.
Ms_volume$	S	Serial signal indicating the current value of the multi room speaker volume.
Ms_volume_mute_on/off_fb	D	High to indicate the current state of the multi room speaker volume mute.
Auto_status_on/off_fb	D	High to indicate the current state of the auto feedback setting.
Signal_*_fb	D	High to indicate the audio signal type for the currently selected input.
Sampling_*_fb	D	High to indicate the sampling rate for the currently selected input.
Ch_status_*_fb	D	High to indicate which speakers are currently active in the main room.
Tx$	S	Serial signal to be routed to a 2-way serial com port.

TESTING:

OPS USED FOR TESTING:	PRO2: 3.137 CNMSX-Pro: 5.14.02x
COMPILER USED FOR TESTING:	2.05.22
SAMPLE PROGRAM:	Marantz SR5500 Demo
REVISION HISTORY:	V. 1.0